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TITLE : NONAQUEOUS ELECTROLYTIC BATTERY

ABSTRACT : PURPOSE: To improve low temperature discharge characteristics and conservation characteristics by using a mixture of fluorine-containing Li salt and Li perchlorate for a solute of nonaqueous solution.

CONSTITUTION: A positive electrode is formed by press-molding of a mixture comprising MnO_2 , carbon powder and fluoro-resin powder, and a negative electrode is formed by cutting a rolled Li plate at a specific size. A mixture of fluorine-containing Li salt (e.g. Li tetrafluoborate) and Li perchlorate is used for a solute of nonaqueous electrolyte solution. The added amount of Li perchlorate is preferably in a range of 0.025–0.150 mol/l against Li salt of 1.0 mol/l.

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